



## END-OF-LIFE NOTICE, NO. 2698

# END-OF-SALE AND END-OF-LIFE ANNOUNCEMENT FOR THE CISCO IOS SOFTWARE RELEASE 12.1 EC TRAIN AND TELCO-RETURN SUPPORT

Cisco Systems® announces the end-of-sale and end-of-life dates for the Cisco IOS® Software Release 12.1 EC train and telco-return support on the Cisco® uBR7246VXR and uBR7100 Series universal broadband routers. This announcement applies to all releases of the Cisco IOS Software Release 12.1 EC train. The last day to order a release in the Cisco IOS Software Release 12.1 EC train is July 18, 2005. Customers with active service contracts will continue to receive support from the Cisco Technical Assistance Center (TAC) until July 18, 2010. Table 1 describes the end-of-life milestones, definitions, and dates for the Cisco IOS Software Release 12.1 EC train. Table 2 lists the product part numbers affected by this announcement.

Customers are encouraged to migrate to the Cisco IOS Software Release 12.3 BC train, which delivers enhanced functionality and advanced features for two-way cable plants. Information about the Cisco IOS Software Release 12.3 BC train can be found at <http://www.cisco.com/univercd/cc/td/doc/product/software/ios123/123reln/ubr7200/123bcu72.htm>. Table 3 provides relevant information for migrating from the Cisco IOS Software Release 12.1 EC train to Cisco IOS Release 12.3 BC train.

**Table 1.** End-of-Life Milestones and Dates for the Cisco IOS Software Release 12.1 EC Train

Milestone	Definition	Date
End-of-life announcement date	The date the document that announces the end of sale and end of life of a product is distributed to the general public.	January 18, 2005
End-of-sale date	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale after this date.	July 18, 2005
Last shipment date	The last-possible ship date that can be requested of Cisco and/or its contract manufacturers. Actual ship date is dependent on lead time.	October 18, 2005
End of software maintenance releases date	The last date that Cisco Engineering may release any final software maintenance releases or bug fixes. After this date, Cisco Engineering will no longer develop, repair, maintain, or test the product software.	July 18, 2006
End of new service attachment date	For equipment and software that is not covered by a service-and-support contract, this is the last date to order a new service-and-support contract or add the equipment and/or software to an existing service-and-support contract.	July 18, 2006
End of service contract renewal date	The last date to extend or renew a service contract for the product. The extension or renewal period cannot extend beyond the last date of support.	April 18, 2010
Last date of support	The last date to receive service and support for the product. After this date, all support services for the product are unavailable, and the product becomes obsolete.	July 18, 2010

**Table 2.** Product Part Numbers Affected by This Announcement

End-of-Sale Product Part Number	Product Description
12.1(2)EC1, 12.1(3a)EC1, 12.1(4)EC, 12.1(5)EC1, 12.1(6)EC, 12.1(6)EC1, 12.1(7)EC, 12.1(8)EC, 12.1(9)EC, 12.1(10)EC, 12.1(10)EC1, 12.1(11b)EC, 12.1(11b)EC1, 12.1(12c)EC, 12.1(13)EC, 12.1(13)EC1, 12.1(13)EC2, 12.1(13)EC3, 12.1(13)EC4, 12.1(19)EC, 12.1(19)EC1, 12.1(20)EC, 12.1(20)EC1, 12.1(20)EC2, 12.1(22)EC	The listed Cisco IOS Software release numbers are a comprehensive representation of the maintenance releases in the 12.1 EC train. All images, including subsequent posts, are included in this announcement.

## PRODUCT MIGRATION OPTIONS

The recommended replacement for Cisco IOS Software Release 12.1 EC is Cisco IOS Release 12.3 BC. The Cisco IOS Software Release 12.3 BC train serves as the new cable-specific train, supporting enhanced functionality.

**Table 3.** Product Comparisons

Feature	End-of-Life Cisco IOS Software Release 12.1 EC Train	Cisco IOS Software Release 12.3 BC Train
Telco Return	Supported	Not Supported
Bridging Support	Supported	Supported in Cisco IOS Release 12.3(9a)BC1
DOCSIS Set-Top Gateway (DSG) 1.0	Not Supported	Supported
Frequency Stacking	Not Supported	Supported
Load Balancing	Not Supported	Supported
Subscriber Traffic Management 1.1	Not Supported	Supported
Subscriber Accounting and Management Interface Specification (SAMIS)	Not Supported	Supported
Layer 2 VPN Services	Not Supported	Supported

**Note:** Cisco IOS Release 12.3 BC does not support telco-return functionality. Cisco recommends customers upgrade to a two-way cable plant.

When upgrading to a more recent release, certain software images may not be available, hardware may not be supported, or there may be some changes to memory requirements. To verify functionality on required platforms, always consult the Cisco IOS Software Upgrade Planner and Cisco Feature Navigator. For further information, visit:

Cisco IOS Software Upgrade Planner: <http://www.cisco.com/cgi-bin/Software/Iosplanner/Planner-tool/iosplanner.cgi>

Cisco Feature Navigator: <http://www.cisco.com/go/fn>

Cisco Software Advisor: <http://www.cisco.com/cgi-bin/Support/CompNav/Index.pl>

Cisco IOS Software Releases: <http://www.cisco.com/warp/public/732/releases/>

## FOR MORE INFORMATION

For more information about the Cisco IOS Software Release 12.3 BC train, contact your local account representative or visit:

<http://www.cisco.com/univercd/cc/td/doc/product/software/ios123/123reInt/ubr7200/123bcu72.htm>

For more information about the Cisco End-of-Life Policy, visit: [http://www.cisco.com/en/US/products/prod\\_end\\_of\\_life.html](http://www.cisco.com/en/US/products/prod_end_of_life.html)

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